From:	PETERSON Jenn L
To:	Robert Gensemer; Jim Koloszar
Cc:	Eric Blischke/R10/USEPA/US@EPA; Dana Davoli/R10/USEPA/US@EPA; Burt Shephard/R10/USEPA/US@EPA
Subject:	RE: Confirming surface water screening logistics
Date:	01/17/2007 10:22 AM

For ecological assessments, we typically look at screening for both total and dissolved concentrations. This is to look at the screening both as a source and a risk number for use in a weight of evidence of potential harm (direct SW exposure and contribution to sediment, etc). And, although national AWQCs are based on dissolved criteria, the state of Oregon still uses total concentrations (until approved by EPA). Of course doing both may be a time and resource issue.

If there is time, I would also look at field reps to evaluate the variability in the data in one location.

-Jennifer

> -----Original Message-----
> **From:** Robert Gensemer [mailto:rgensemer@parametrix.com]
> **Sent:** Monday, January 15, 2007 1:50 PM
> **To:** Jim Koloszar
> **Cc:** PETERSON Jenn L; blischke.eric@epa.gov; davoli.dana@epa.gov; Shephard.Burt@epamail.epa.gov
> **Subject:** Confirming surface water screening logistics
>
> Jim: This is to confirm from our phone conversations today, and to get any reactions from Burt, Dana, or Jennifer to see if I'm off base or not.
>
> 1. Total vs. dissolved metals. Use dissolved for comparison against TRVs only. If all you have is a total metal concentration for a given sample, use AWQC conversion factors I sent you earlier. For now, assume this is the same for both eco and human health, unless you hear differently from Dana.
>
> 2. Sample type. For simplicity, use only "normal" samples, not field reps.
>
> 3. Sample matrix. There are three types: surface water, XAD column, and XAD column filtered. To the extent possible, lets analyze each matrix separately as dection methods, extraction efficiencies, etc. are quite different for each. There may not be much overlap between samples (i.e., any given sample is likely to be one or the other matrix, not all three?), so this may not be a big deal ultimately.
>
> Let me know if you have any other questions.
> -Bob
>
> **********
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